

Tooth vs Single Molar Implant



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OUTLINE

- I. Brief History on Implants and Osseointegration**
- II. Prognosis**
- III. Periodontal Therapy**
- IV. Anatomical Considerations**
- V. Criteria for Implant Success**
- VI. Economic Considerations**
- VII. Summary**

Introduction



History of Dental Implants

- **Osseointegration- founded by Professor Per-Ingvar Brånemark**
- **1950s discovered that bone can integrate with titanium components**
- **from the Latin word os - bone**
- **integrate - make whole.**

Principle

- **A titanium screw-shaped implant (fixture) is carefully placed in the bone**
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- **Amazingly enough - the genetic code that commonly makes bone reject a foreign material is not activated.**

Goals of Periodontal Therapy

- **Preservation of Natural Dentition**
- **Esthetics**
- **Function**
- **Maintenance of Health**

Posterior Implant Placement

Prognosis

Furcation Involvement

Regional Anatomy

Occlusion

Prognosis

- **McGuire**

- Good
- Fair
- Questionable
- Poor
- Hopeless

- **Becker**

- Good
- Questionable
- Hopeless

